

# WBS1.5 L2 Report

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# WBS 1.5.3 Project File Status

- DocDB project file was last updated 28-Mar-2017
  - All tasks are included:
    - Duration
    - Predecessors
    - Successors
    - Links: Internal/External
    - Milestones
  - Missing
    - Contingency
    - Dictionary
- Fixed Costs have been updated to match BoE's
- Labor estimates have been made for project labor

# Cost Changes

- Difficult to do a detailed comparison in some cases:
  - Complete redesign of front end electronics
  - Lots of items were “Expert” estimates on global design

Item	Old Cost	Current Cost
Optical Sensors	\$1.06M	\$973K
Front End- EMCal	\$1.4M	\$790K
Front End- HCal	\$384K	\$440K
Digitizers	\$1.3M	\$1.5M

# WBS 1.5.3 Major Cost Items

- 1.5.3.1: Optical Sensors
  - Preproduction Optical Sensors: ~\$27K, Now-Oct 2017- OPC Funds Requested
  - Production Optical Sensors: ~1M, Right after Early (CD-1) Authorization
- 1.5.3.2: Front End Electronics
  - EMCal Preproduction Prototype: \$15K June 2017- OPC Funds Requested
  - EMCal Production: \$800K Jan 2017-March 2020
  - HCal Production: \$400K Oct 2018-Oct 2019
- 1.5.3.3: Digitizers
  - Preproduction: \$75K, Oct 2017-Mar 2018- OPC Funds Requested
  - Production: \$1.5M Jan 2019-Mar 2020

# WBS 1.5.3 CD-1 Documentation

- Project file: not complete.
  - WBS Dictionary not included:
- BoE Status:
  - All of the documents are in DocDB, ~90% complete
  - Still working on an assortment of cost details
    - Sensor delivery
    - Sensor daughterboard assembly
    - Updating Digitizer costs
  - Fine tuning the documents; Typos, links,.....
- CDR Section:
  - Have started to “think” about it, but nothing done on the actual document.
- CD-1 Presentation has not been started.